

## WEST Search History

DATE: Wednesday, June 23, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; THES=DTIC; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L17	(nucleic or dna) near10 L16	12
<input type="checkbox"/>	L16	l14 or l15	394
<input type="checkbox"/>	L15	flourescien\$10	3
<input type="checkbox"/>	L14	flourescein\$10	392
<input type="checkbox"/>	L13	us-5736626-\$.did.	2
<input type="checkbox"/>	L12	(fluoro\$8 or fluore\$8) and L11	34
<input type="checkbox"/>	L11	(l8 or l9 or L10) and l5	76
<input type="checkbox"/>	L10	amino near2 propanediol	2268
<input type="checkbox"/>	L9	2-hydroxyethylglycine	6
<input type="checkbox"/>	L8	2-hydroxyethyl glycine	522
<input type="checkbox"/>	L7	fluore\$10 near10 L5	30
<input type="checkbox"/>	L6	nucleic same L5	23
<input type="checkbox"/>	L5	trifunctional	13437
<input type="checkbox"/>	L4	us-5451463-\$.did.	2
<input checked="" type="checkbox"/>	L3	assay near5 L1	14
<input checked="" type="checkbox"/>	L2	assay near5 L1	14
<input checked="" type="checkbox"/>	L1	protoporphyrinogen oxidase	325

END OF SEARCH HISTORY

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L103 42468 SEA FILE=CAPLUS ABB=ON PLU=ON (DNA OR NUCLEIC)(10A)(CONJUGAT? OR LABEL? OR LINK?)  
L105 823 SEA FILE=CAPLUS ABB=ON PLU=ON L103 (10A) (?AMID?)  
L106 243 SEA FILE=CAPLUS ABB=ON PLU=ON L105 AND (CHROMO? OR FLUORO? OR FLUORE?)  
L107 167 SEA FILE=CAPLUS ABB=ON PLU=ON L106 AND PY<2002  
L108 436100 SEA FILE=CAPLUS ABB=ON PLU=ON DNA/OBI  
L109 125413 SEA FILE=CAPLUS ABB=ON PLU=ON NUCLEIC ACID/OBI  
L110 638 SEA FILE=CAPLUS ABB=ON PLU=ON (L108 OR L109)(L)AMID?  
L111 4 SEA FILE=CAPLUS ABB=ON PLU=ON L110 AND L107  
L112 72 SEA FILE=REGISTRY ABB=ON PLU=ON (350684-99-0/BI OR 350685-01-7/BI OR 350685-06-2/BI OR 350685-13-1/BI OR 350685-14-2/BI OR 350685-17-5/BI OR 106-96-7/BI OR 1074-82-4/BI OR 110-89-4/BI OR 112-72-1/BI OR 112-80-1/BI OR 114748-57-1/BI OR 116919-16-5/BI OR 119462-97-4/BI OR 132435-98-4/BI OR 13255-48-6/BI OR 13497-62-6/BI OR 143-28-2/BI OR 16940-66-2/BI OR 186033-13-6/BI OR 204061-98-3/BI OR 204061-99-4/BI OR 204062-00-0/BI OR 204062-01-1/BI OR 204062-02-2/BI OR 204062-03-3/BI OR 204062-04-4/BI OR 204062-05-5/BI OR 204062-06-6/BI OR 204062-07-7/BI OR 204062-08-8/BI OR 204062-10-2/BI OR 2873-29-2/BI OR 302-01-2/BI OR 302-79-4/BI OR 30525-89-4/BI OR 3301-79-9/BI OR 350684-94-5/BI OR 350684-95-6/BI OR 350684-96-7/BI OR 350684-97-8/BI OR 350685-04-0/BI OR 350685-05-1/BI OR 350685-07-3/BI OR 350685-08-4/BI OR 350685-09-5/BI OR 350685-10-8/BI OR 350685-11-9/BI OR 350685-12-0/BI OR 350685-16-4/BI OR 350685-18-6/BI OR 350685-19-7/BI OR 3891-07-4/BI OR 431-47-0/BI OR 50859-18-2/BI OR 52328-05-9/BI OR 530-62-1/BI OR 5329-33-9/BI OR 540-51-2/BI OR 544-63-8/BI OR 628-89-7/BI OR 63368-54-7/BI OR 64-18-6/BI OR 66-81-9/BI OR 69676-63-7/BI OR 77-78-1/BI OR 7722-64-7/BI OR 7722-84-1/BI OR 78008-15-8/BI OR 7803-49-8/BI OR 9013-20-1/BI OR 96662-06-5/BI)  
L113 48 SEA FILE=REGISTRY ABB=ON PLU=ON L112 AND RSD/FA  
L114 1 SEA FILE=REGISTRY ABB=ON PLU=ON L113 AND C22 H14 I N 06/MF  
L115 130 SEA FILE=CAPLUS ABB=ON PLU=ON L114  
L116 1 SEA FILE=CAPLUS ABB=ON PLU=ON L115 AND L111

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L116 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1991:116322 CAPLUS  
DOCUMENT NUMBER: 114:116322  
TITLE: Automated sequencing of fluorescently labeled DNA by chemical degradation  
AUTHOR(S): Rosenthal, Andre; Sproat, Brian; Voss, Hartmut;  
Stegemann, Josef; Schwager, Christian; Erfle, Holger;  
Zimmermann, Juergen; Coutelle, Charles; Ansorge,  
Wilhelm  
CORPORATE SOURCE: Zentralinst. Molekularbiol., Akad. Wiss. DDR, Berlin,  
1115, Ger. Dem. Rep.  
SOURCE: DNA Sequence (1990), 1(1), 63-71  
CODEN: DNSEES; ISSN: 1042-5179  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB A new general method for sequencing fluorescently labeled DNA by chem. degrdn. was developed. It is based on the observation that fluorescein attached via a mercaptopropyl or aminopropyl linker arm to the 5'-phosphate of an oligonucleotide is stable during the reactions commonly used in chem. cleavage procedures. DNA to be degraded is first enzymically synthesized in vitro by annealing and extending a fluorescently labeled primer thereby introducing the fluorescent label at the 5'-end of the fragment. The newly synthesized fluorescently labeled DNA is then chem. degraded using: (a) a set of 4 different cleavage reactions; or (b) only one

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reaction comprising methylation of G-residues followed by a partial cleavage with piperidine in the presence of NaCl. The **fluorescent** degrdn. products are loaded on either 4 lanes or 1 lane of the gel, resp., and the emitted **fluorescence** detected online during electrophoresis. In the four reaction/four lanes method 200-350 bp (base pairs) can be read from the labeled end. The one reaction/one lane method, in which the nucleotide sequence is detd. by measuring different signal intensities following the rule G > A > C > T, currently yields around 100-200 bp of sequence per sample.

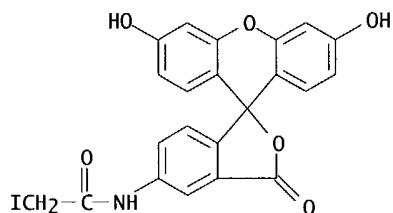
IT 63368-54-7, 5-Iodoacetamido**fluorescein**

RL: PRP (Properties)

(DNA Labeling with, for sequence detn. by chem.  
degrdn.)

RN 63368-54-7 CAPLUS

CN Acetamide, N-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl)-2-iodo- (9CI) (CA INDEX NAME)



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